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HANDRAIL GATE, HINGE AND LOCK

Abstract

5 A gate having a gate arm, lock and hinge, for use with a handrail is disclosed. The
gate in closed position retains the structural integrity and peripheral profile of the handrail.
The hinge consist of two connectors, both pivotally connected to a link by pins. The
connectors pivot about the pins, enabling the gate arm to pivot through 180°. The lock
includes two mating components, one component having a plug and the other having a
socket for receiving the plug. A depressable button secures the plug within the socket. For
10 use with handrails made from tubing, the hinge and lock components includes stubs
insertable into the tubing. All components in the closed position of the gate compactly fit
together and are shaped to provide peripheral continuity.